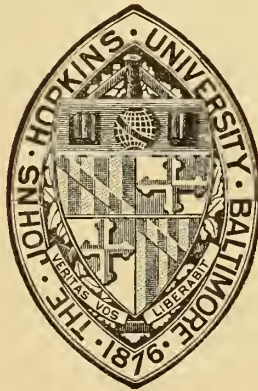


THE JOHNS HOPKINS UNIVERSITY
BALTIMORE

CONFERRING OF DEGREES

AT THE CLOSE OF THE SIXTY-FOURTH ACADEMIC YEAR

JUNE 4, 1940



IN THE LYRIC THEATRE

AT 11 A. M.

MARSHALS

Chief Marshal

Professor W. O. WEYFORTH

Aids

Professor SIDNEY PAINTER

Dr. R. T. ABERCROMBIE

Dr. H. E. COOPER

Mr. M. W. PULLEN

Mr. LAWRENCE RIGGS

Dr. W. H. BARKER

Dr. G. F. OTTO

Dr. D. R. INGLIS

USHERS

Chief Usher

FRANK DOMINIC MURNAGHAN, JR.

Aids

WINSTON TRUEHART BRUNDIGE

ROBERT MALCOLM BURR

LAMBERT JOHN EICHNER, JR.

WILSON RIDGELY HAINES

WALTER KLOETZLI, JR.

EDWARD ATHELSTAN MARSHALL

EDWARD GORDON O'NEILL

IRVING JOSEPH TANNEBAUM

DONALD HURST WILSON, JR.

MUSIC

The program is under the direction of Philip S. Morgan of the Johns Hopkins Musical Association and is presented by the Johns Hopkins Orchestra, Bart Wirtz, conducting. The orchestra was founded and endowed in 1919 by Edwin L. Turnbull, of the Class of 1893, for the presentation of good music in the University and the community.

ORDER OF EXERCISES

I

ACADEMIC PROCESSION

March from "Carmen"—*Bizet*

March "The Prophet"—*Meyerbeer*

II

INVOCATION

The Reverend Doctor MARTIN LUTHER ENDERS

Pastor, First English Lutheran Church

III

ADDRESS

President ISAIAH BOWMAN

IV

CONFERRING OF DEGREES

Bachelors of Arts, presented by Dean BERRY

Bachelors of Engineering, presented by Dean KOUWENHOVEN

Bachelors of Science in Economics, presented by Professor WEYFORTH

Bachelors of Science, presented by Professor BAMBERGER

Master of Education, presented by Professor BAMBERGER

Doctor of Education, presented by Professor BAMBERGER

Masters of Engineering, presented by Professor WHITEHEAD

Doctors of Engineering, presented by Professor WHITEHEAD

Masters of Science in Hygiene, presented by Dean REED

Doctors of Science in Hygiene, presented by Dean REED

Masters of Public Health, presented by Dean REED

Doctors of Public Health, presented by Dean REED

Doctors of Medicine, presented by Dean CHESNEY

Masters of Arts, presented by Professor ANDREWS

Doctors of Philosophy, presented by Professor ANDREWS

V

CONFERRING OF COMMISSIONS IN THE OFFICERS' RESERVE CORPS

Lieutenant Colonel LAWRENCE J. I. BARRETT

VI

"Arioso"—*Bach*

VII

CONFERRING OF HONORARY DEGREES

VIII

PRESENTATION

Portrait of

Dr. HOWARD ATWOOD KELLY, Professor Emeritus of Gynecology

BY

ISABELLA HUNNER PARSONS

Professor RICHARD W. TELINDE

IX

ANNOUNCEMENTS

X

BENEDICTION

XI

March "Semper Fidelis"—*Sousa*

The audience is requested to remain standing after the benediction until the faculty has left the hall

CANDIDATES FOR DEGREES

BACHELORS OF ARTS

ALFRED AGRIN, of Connecticut	BENNO BOLD JASTROW, of Maryland
JOSEPH FRENCH ALSOP, of Virginia	HARRY LEE KERNS, of Maryland
THOMAS HARVEY BAKER, of Maryland	ALLEN KLEIMAN, of Maryland
ROBERT MATTHEW BAUR, of Pennsylvania	LEONARD JOEL KOENIG, of New York
LEONARD ROBERT BERNSTEIN, of New Jersey	JOHN BIDDLE LAWRENCE, of the District of Columbia
JOHN A. BILLOVITS, Jr., of New York	PAUL GREEN LEFEVRE, of Maryland
JOSEPH WILLIAM BITSACK, of New Jersey	SETH HANCE LINTHICUM, Jr., of Maryland
JOHN HENRY BLUCHER, of Maryland	JEROME LIPNICK, of Maryland
MORTON DAVID BRILLIANT, of Maryland	ROBERT STANLEY MANDELSTAM, of Maryland
JOSEPH EDWARD BRUMBACK, Jr., of Maryland	CHARLES ARTHUR MILLER, Jr., of Maryland
CHARLES ELI CANADY, Jr., of Maryland	NATHAN MILLER, of New York
SAL LOUIS CARACCIO, of New Jersey	ROBERT FRANCIS MINKUS, of Delaware
WILLIAM CHARNEY, of New York	LEON HAMILTON MOORE, of Ohio
HODGES BOSWELL CHILDS, of Maryland	MYRON JOSEPH MYERS, of Maryland
HERBERT RAYMOND CLUSTER, of Maryland	MARVIN MORTON NACHLAS, of Maryland
MAURICE FRANCIS CONNERY, of Massachusetts	JACK WAGNER NEELY, of Maryland
ALFRED HENRY DANN, of Maryland	SEYMOUR PESTRONK, of New York
MARVIN HERSCH DAVIS, of Maryland	LOUIS PHAFF, of New Jersey
HARRY ALBERT DEWIRE, of Maryland	EUGENE LEONARD PIVEN, of Maryland
SIGMUND OSCAR DIAMOND, of Maryland	PHILIP BIRKNER POLSTER, of Illinois
LAURIE CRAIG DICKSON, Jr., of North Carolina	JOSEPH CHARLES PRESTI, of Maryland
JOHN PARKER DODGE, of Maryland	LEON ELLISON QUITT, of Maryland
DONALD BURKE DOWNING, of Maryland	LEONARD ERWIN QUITT, of Connecticut
DANIEL EHRLICH, of Maryland	SAMUEL JUDAH ROSENSTEIN, of Connecticut
GEORGE ADAM ELLIOTT, of Pennsylvania	ALFRED E. ROSENTHAL, of New Jersey
STUART RHETT ELLIOTT, II, of Maryland	ARTHUR ROSSETT, of New York
JOHN GORDON ERDMAN, of Maryland	BERNARD WOLF RUBENSTEIN, of Maryland
LESLEY CLARK EWING, of Maryland	MILTON RUDO, of Maryland
ROBERT GUTHRIE FLEAGLE, of Maryland	GASPARE ANTONINO SALVIA, of New York
ROBERT WILLIAM FLEAGLE, of Maryland	IRVING SCHERLIS, of Maryland
ROBERT JAMES FLEISCHAKER, of Kansas	IRVIN SEAMAN, of Maryland
WILLIAM BERTRAM FREEDMAN, of New York	HOWARD SHPRITZ, of Maryland
EDWARD MCKINLEY FRENCH, Jr., of New Jersey	DONALD JOSEPH SILVERSTEIN, of Pennsylvania
CARL JOSEPH FREYER, of New York	NORMAN DAVID SILVERSTEIN, of New Jersey
HAROLD GOODMAN, of Virginia	FRED HOWARD SIX, of Argentina
LEO ALLENBY GORDON, of Maryland	TURBIT HENRY SLAUGHTER, of Maryland
JOHN WARREN GRAHAM, of New York	ALBERT HAMMAN SMITH, of Maryland
FREDERICK JOHN GREEN, Jr., of Maryland	JOHN WESLEY SMITH, of Maryland
PHILIP ROBERT GREENBERG, of New York	THOMAS EDGAR SMITH, of Maryland
GLENN PERSHING GROVE, of Pennsylvania	SOLOMON SNYDER, of Maryland
JEFFERSON MERRITT HAMILTON, Jr., of Maryland	KARL STEFANSSON, of Maryland
JACOB CHARLES HANDELSMAN, of New Jersey	DON EUGENE STEVENS, of California
WILLIAM SEBASTIAN HART, Jr., of Maryland	MELVIN LESTER TAYMOR, of Massachusetts
ARTHUR HERTZBERG, of Maryland	EDWARD OSCAR THOMAS, of Maryland
JULES MONROE HOFFMAN, of New Jersey	LEONARD TILKIN, of Maryland
WILLIAM ROWE JANNEY, Jr., of New York	VICTOR MORTON VICTOROFF, of New Jersey

SHOLOM WAIFE, of New York
LLOYD HAROLD WARSHAUER, of Massachusetts
FREDERICK WILLIAM WIESE, of Pennsylvania

CARRINGTON WILLIAMS, of Virginia
WERNER WINDUS, II, of Maryland

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GRADUATING WITH HONOR

SIGMUND OSCAR DIAMOND, of Maryland	JEFFERSON MERRITT HAMILTON, JR., of Maryland
JOHN GORDON ERDMAN, of Maryland	ARTHUR HERTZBERG, of Maryland
JOHN BIDDLE LAWRENCE, of the District of Columbia	

BACHELORS OF ENGINEERING

MATTHEW EDWARD AHMUTY, of Maryland	ROBERT CHARLES HILPRECHT, JR., of Maryland
WILLIAM FRANCIS APPEGARTH, of Maryland	WALLACE DIEFEL HOLMAN, of Maryland
DORSEY FROST ASBURY, of Maryland	JOHN MATTHEW JESATKO, of Maryland
ROBERT LELAND BARTKOWSKI, of Maryland	NORMAN ARDON KAHN, of Maryland
EMIL DONALD BAUER, of Maryland	DAVID KAMOROFF, of Maryland
JOHN BEGG, of Maryland	CARL FREDERICK KNABE, of Maryland
HERBERT MARTIN BLOOM, of Maryland	GEORGE BERNARD KNECHT, of Maryland
RALPH EDMUND BOLGIANO, of Maryland	FRANCIS HERMAN KOHLHOFF, of Maryland
BENSON BROCKLEY BOSS, JR., of Maryland	EDWIN DOLL LOWTHIAN, of Maryland
WALTER CHARLES BOYER, of Maryland	WILBUR STEWART MCKAY, JR., of Maryland
RICHARD BRADLEY, VI, of Maryland	JOHN ARTHUR MENGEL, JR., of Maryland
WILLIAM STEVENS BRIGGS, of Brazil	EDWARD EARL MILLER, of Maryland
LLOYD DAVID BYERS, of Maryland	SAMUEL GORDON MILLER, of Maryland
GERALD BARNARD CARLTON, of Maryland	CHARLES DENNISON MONTGOMERY, of Maryland
JOHN SPENCE HAYES CHAPMAN, of Maryland	ARTHUR KURTZ MYERS, of Maryland
CHARLES EDWARD DEPKIN, of Maryland	JOHN BEASLEY MYERS, of Maryland
FRANCIS LOUVAINIE DIEHL, of Maryland	HUGH MALCOLM OGLE, of Maryland
CHARLES CLAYTON DIGGS, of Maryland	RAUGHLEY LYMAN PORTER, of Maryland
SIMON HYMAN DISKIN, of Maryland	HERBERT LEONARD ROSENBERG, of Maryland
ELLSWORTH NOEL DIVER, of Maryland	WILLIAM TAYLOR ROSS, of Maryland
HENRY LEE DODSON II, of Maryland	CHARLES HARRY ROTHAGE, of Maryland
GEORGE A. DOUKAS, of Maryland	CARL ALBERT SCHARPF, of Maryland
JANON FREDERIC EMBURY, of Maryland	CHARLES FRANCIS SCHIMINSKY, of Maryland
JOHN GEORGE ENDERS, of Maryland	ANDREW FREDERICK SHOEMAKER, of Maryland
WALTER WORTHINGTON EWELL, of Maryland	ADOLPH MILTON SPAMER, of Maryland
WALTER GILCRIST FINCH, of Maryland	DOUGLAS CARLYLE SPENCER, of Maryland
ROBERT EDGAR FISHER, of Maryland	JOHN HARWOOD STANFORD, JR., of Maryland
CHARLES DENHARD FLAGLE, of Maryland	GEORGE JULIUS THALER, of Maryland
EARL GROVER GILL, JR., of Maryland	GETULIO VARGAS, JR., of Brazil
JOHN BASIL GRAY, III, of Maryland	ROBERT STEVENSON WARD, of Maryland
CHARLES SYLVESTER HAGUE, JR., of Maryland	WILLIAM FORREST WARD, of New York
JOHN JAMES HALBIG, JR., of Maryland	JAMES MITCHELL WAXMAN, of Maryland
ALBERT EDGAR HAMMELL, JR., of Maryland	EDWARD WENK, JR., of Maryland
JOHN JOSEPH HEINDL, of Maryland	FREDERICK GRAF WHELAN, of Maryland
RICHARD TILGHMAN HEMSLEY, III, of Maryland	

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GRADUATING WITH HONOR

DORSEY FROST ASBURY, of Maryland	CHARLES DENHARD FLAGLE, of Maryland
WALTER CHARLES BOYER, of Maryland	EARL GROVER GILL, JR., of Maryland
ELLSWORTH NOEL DIVER, of Maryland	CHARLES SYLVESTER HAGUE, JR., of Maryland
EDWARD WENK, JR., of Maryland	

BACHELORS OF SCIENCE IN ECONOMICS

MARTIN JOSEPH BRESLAW, of New York
EUGENE HARVEY COULSON, of Maryland
JOHN CARROLL FAHEY, of Maryland
EDGAR GILMORE FREY, of Maryland
HARPER GISRIEL, of Maryland
STANLEY DEAN GREENBLATT, of Maryland
LAWRENCE WESLEY HANAWALT, of Maryland
ALAN DANNENBERG HECHT, of Maryland
RICHARD STEWART HUBBARD, of Maryland
WILLIAM WAGNER KENNY, of Maryland

ERNEST CAUSEY KIEHNE, of Maryland
DONALD ALBERT KIRKWOOD, of Maryland
JOHN WALTER LEE, JR., of Maryland
SYLVAN NARON, of Maryland
DONALD MACARTHUR PEEK, of Maryland
THOMAS EVERETT POWERS, of New York
WILLIAM JOSEPH PRINA, of New Jersey
CLARENCE CRANE PUSEY, II, of Maryland
GEORGE MURRAY SEAL, JR., of Maryland
JOHN FRANK VON HAGEL, of Maryland

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GRADUATING WITH HONOR

ERNEST CAUSEY KIEHNE, of Maryland

BACHELORS OF SCIENCE

HELEN ALTSCHUL, of Maryland
HELEN LYDIA BABYLON, of Maryland
HERMAN CHARLES BAINDER, of Maryland
JOSEPH TAYLOR BARLOW, of Maryland
MARY NESBITT BAUER, of Maryland
EDWARD PARKER BEACHUM, of Maryland
MYRA BENDER, of Maryland
OLGA HOLLANDER BORENSTEIN, of Maryland
EDNAH NELLA BROOKS, of Maryland
ROBERT LEE CARL, of Maryland
MORRIS ALLAN CARLINER, of Maryland
LOUIS EWEN CARTER, of Maryland
HENRY FRANCIS CASSIDY, of Maryland
FRANK CHARLES COMPTON, of Maryland
MARY THERESA CURRAN, of Maryland
JOHN NIXON CUSACK, of Maryland
SYLVAN DOGOLOFF, of Maryland
ESTELLE BOND ELLENDER, of the District of Columbia
EVELYN MULLER FARLEY, of Maryland
MARY FRANCES FARRELL, of Maryland
JOHN HENRY FISCHER, of Maryland
GEORGE ELLSWORTH GLISS, of Maryland
DAISY ROSE GOODMAN, of Virginia
ELSIE GERTRUDE GORE, of Maryland
BERNICE GREENFELD, of Maryland
AMANDA RANDELL HARMAN, of Maryland
MIRIAM MUSGRAVE HERRING, of Maryland
JACOB HIMELFARB, of Maryland
ROBERT DARLINGTON HOOPES, JR., of Maryland

JOSEPH GOSNELL HRANICKA, of Maryland
LALLA IVERSON, of Florida
CHARLES ALBERT KOOKE, of Maryland
LAWRENCE DONALD LALLY, of Maryland
JOSEPH R. LANE, of Maryland
MARIE JOSEPHINE LANGUIS, of Maryland
ROBERT ELMER LEAGUE, of Maryland
LOIS MARGARET LEARY, of Maryland
GORDON BRETT LITTLEPAGE, JR., of Maryland
NORMAN SPALDING LONG, of Maryland
MERRIA TODD LYNCH, of Maryland
HELEN JANE MARTIN, of Maryland
FRANCIS JOSEPH MCINTEE, of New York
VIRGINIA KLANK MYERLY, of Maryland
MARGARET CECILIA O'DONNELL, of Maryland
ELIZABETH OWENS PERKINS, of Maryland
ANTIGONE N. SAKelos, of Maryland
MADELEINE DUNNE SANFORD, of Maryland
SAMUEL SASS, of Maryland
NELLIE SCARBOROUGH, of Maryland
ELSIE BEAUCHAMP SCHAD, of Maryland
LEROY VINCENT SCHUERHOLZ, of Maryland
ESTHER SCHWARTZ, of Maryland
SOLOMON SIBEL, of Maryland
SELMA SISKIND, of Maryland
EVELYN MORRIS SMITH, of Maryland
EASTON STUHR, of Minnesota
LEROY HERBERT WHEATLEY, of Maryland
ANNE RITCHIE WRIGHT, of Maryland
BERYL ZERIVITZ, of Maryland

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GRADUATING WITH HONOR

LAWRENCE DONALD LALLY, of Maryland
HELEN JANE MARTIN, of Maryland

LEROY VINCENT SCHUERHOLZ, of Maryland
SOLOMON SIBEL, of Maryland

MASTER OF EDUCATION

WITH TITLE OF ESSAY

JANE W. CUNNINGHAM, of Virginia, A.B. Sweet Briar College 1926.

A study of school children's choices of books at public libraries. (1)

DOCTOR OF EDUCATION

WITH TITLE OF DISSERTATION

SISTER JUSTA MCNAMARA, of Maryland, B.A. St. Joseph's College 1931.

The teachability of certain concepts in modern European history in the secondary school. (1)

MASTERS OF ENGINEERING

WITH TITLES OF ESSAYS

GEORGE DUGAN JOHNSON, of Maryland, B.A. St. John's College 1933; Johns Hopkins University 1936. Civil Engineering.

An accurate determination of the discharge coefficients for several square edged circular orifices.

ROBERT BERNARD STEGMAIER, JR., of Maryland, B.E. Johns Hopkins University 1938. Civil Engineering.

Manganese in the Loch Raven Reservoir near Baltimore, Maryland.

(2)

DOCTORS OF ENGINEERING

WITH TITLES OF DISSERTATIONS

JOHN JAMES CHAPMAN, of Maryland, B.E. Johns Hopkins University 1935. Electrical Engineering.

The dielectric properties of resin-oil mixture.

MORTON RUSSELL SHAW, JR., of Maryland, B.E. Johns Hopkins University 1936. Electrical Engineering.

The detection of initial failure in high voltage insulation.

BUN PO KANG, of China, B.S. University of Maryland 1934. Electrical Engineering.

Electric conduction in insulating oil.

EDGAR FAHRNEY WOLF, of Maryland, B.S. in Chem. Johns Hopkins University 1925; M.S. University of Maryland 1928. Chemical Engineering.

Corrosion and fatigue of lead cable sheath.

(4)

MASTERS OF SCIENCE IN HYGIENE

WITH TITLES OF THESES

JOSEFINA ACOSTA-MATIENZO, of Puerto Rico, A.B. Goucher College 1938. Helminthology.

Studies on the biology of the free living stages of strongyloides ratti.

HENRI CLÉRET SEIBERT, of Maryland, S.B. Haverford College 1937. Biology.

The somatic constitution of mothers and infant mortality among their progeny.

(WEISS)
BATH-AMMI BENDERLY, of New York, A.B. Cornell University 1936. Immunology.

A study of the influenza virus.

MARY RUTH SMITH, of Mississippi, A.B. Mississippi State College for Women 1934. Bacteriology.

An evaluation of diphtheria carrier surveys among Baltimore school children from 1921 to 1940.

VIRGINIA JOHN EVANS, of Maryland, A.B. Goucher College 1935. Immunology.

The immunity of virus III as shown by tissue culture.

LOPE MADLAMBAYAN YUTUC, of the Philippine Islands, D.V.M. University of the Philippines 1924. Helminthology.

Studies on the influence of splenectomy on natural and acquired immunity of rats to *Nippostrongylus muris*.

(6)

DOCTORS OF SCIENCE IN HYGIENE

WITH TITLES OF DISSERTATIONS

- MOHAMMAD ANWAR, of Afghanistan, S.B. Columbia University 1936; A.M. 1937. Biochemistry.
Iron metabolism in pregnant rats in relation to the question of maternal storage.
- JAMES THOMAS HEARIN, of Arkansas, S.B. Louisiana State University 1935; S.M. 1937. Helminthology.
Studies on the acquired immunity to the dwarf tapeworm, *Hymenolepis nana* var. *Fraterna*, in the mouse host.
- HARRY JAMES LAWLER, of Illinois, S.B. University of Illinois 1936. Helminthology.
Resistance and immunity to strongyloides infection.
- PHILIP SIGNOR LAWRENCE, JR., of Illinois, A.B. Denison University 1937. Biology.
The sex ratio, fertility, and ancestral longevity.
- JAMES GRANT SHAFFER, of Indiana, S.B. Manchester College 1935. Filterable Viruses.
The antigenic relationship of the infectious myxoma and fibroma viruses of the rabbit.
- MAURICE EDWARD SHILS, of New Jersey, A.B. Johns Hopkins University 1937. Biochemistry.
Bisulfite binding substances of the urine in relation to thiamin deficiency in man and rats.
- LEVON ARAM TERZIAN, of Pennsylvania, S.B. University of Pennsylvania 1936; S.M. 1937. Protozoology.
Experimental studies of plasmodium lophurae in chicks.

(7)

MASTERS OF PUBLIC HEALTH

- LEE JOSEPH ALEXANDER, of Louisiana, M.D. Tulane University 1934.
- NORMAN GEORGE ANGSTADT, of West Virginia, A.B. University of Pennsylvania 1931; M.D. Jefferson Medical College 1935.
- RICARDO ARCHILA, of Venezuela, M.D. Central University of Venezuela 1934.
- ASA BARNES, of Missouri, S.B. Missouri State Teachers College 1926; A.B. and S.B. University of Missouri 1929; M.D. University of Tennessee 1931.
- HUGH JENNINGS BICKERSTAFF, of Georgia, S.B. Alabama Polytechnic Institute 1923; M.D. University of Pennsylvania 1926.
- DAVID EDWARD BIGWOOD, JR., of New York, S.B. Yale University 1932; M.D. 1937.
- HERBERT BOSCH, of Minnesota, S.B. University of Missouri 1929.
- EARL PHILIP BOWERMAN, of Tennessee, A.B. University of Rochester 1929; M.D. 1933.
- A. L. BRICENO-ROSSI, of Venezuela, M.D. Central University of Venezuela 1924.
- ROBERT H. BROAD, of New York, A.B. Syracuse University 1928; M.D. 1932.
- OTTO LEO BURTON, of Alabama, S.B. University of Alabama 1927; M.B. Northwestern University 1929; M.D. 1930.
- EVERETT EUGENE CARRIER, of Tennessee, S.B. Eureka College 1923; M.D. University of Tennessee 1928.
- OMA CREECH, of Kentucky, A.B. Berea College 1930; M.D. University of Louisville 1934.
- CHARLES FLETCHER DAVIS, of Missouri, M.D. University of Oklahoma 1914.
- ROBERT HENRY DEJARNETTE, of Mississippi, M.D. Emory University 1933.
- O. MERTON DERRYBERRY, of Tennessee, A.B. University of Tennessee 1934; M.D. 1934.
- THOMAS HOYT DISEKER, of South Carolina, A.B. Wofford College 1933; M.D. Vanderbilt University 1937.
- HARVEY FRANKLIN DOE, of New Jersey, S.B. Bowdoin College 1920; M.D. Jefferson Medical College 1936.
- ERWIN C. DRESCHER, of Michigan, S.B. University of Michigan 1930; M.D. 1933.
- THOMAS DAVID DUBLIN, of New York, A.B. Dartmouth College 1932; M.D. Harvard University 1936.
- HAROLD MARTIN ERICKSON, of Oregon, A.B. University of Oregon 1930; M.D. 1933.
- LINDSAY JAMES ERVIN, of Iowa, A.B. University of South Dakota 1933; S.B. 1935; M.D. University of Chicago 1937.
- LOYALL DAVID FARRAGUT, of Tennessee, M.D. Tulane University 1928.
- ARÍSTIDES FERNÁNDEZ-MELÉNDEZ, of Cuba, B.Sc. e Lett. Provincial Institute of Matanzas 1921; M.D. University of Havana 1927.
- BEN FREEDMAN, of Louisiana, M.D. Tulane University 1935.
- EARLE CARLTON GATES, of Virginia, S.B. University of Richmond 1929; M.D. Medical College of Virginia 1932.
- CHARLES RIDLEY GILLESPIE, of Mississippi, M.D. Emory University 1933.
- LEO CAO GONZALEZ, of Florida, A.B. University of Mississippi 1932; M.B. Louisiana State University Medical Center 1935; M.D. 1936.
- WILLIAM EUGENE GRAHAM, of California, S.B. Tarkio College 1927; M.D. University of Chicago 1932.
- MARSHALL EUGENE GROOVER, JR., of Georgia, M.D. University of Georgia 1934.
- NOBEL W. GUTHRIE, of Arkansas, A.B. Hendrix College 1931; M.D. University of Tennessee 1934.

- RICARDO STUART GUINTO, of the Philippine Islands, A.A. University of the Philippines 1927; M.D. 1932; C.P.H. 1933.
- JOHN FIELDEN HACKLER, of Oklahoma, A.B. Northeastern State College 1930; S.B. University of Oklahoma 1931; M.D. 1933.
- JOHN D. HAMNER, JR., of Virginia, M.D. Medical College of Virginia 1935.
- FRANK KIRBY HARDER, of Ohio, A.B. University of Cincinnati 1926; M.D. Harvard University 1930.
- MARIANO MONTES HERBOSA, of the Philippine Islands, A.A. University of the Philippines 1932; M.D. 1937.
- JOHN MONTREAL HOOPER, of Texas, M.D. Baylor University 1929.
- SETH HUNTER HURDLE, of Maryland, M.D. University of Virginia 1920.
- THEODORE EDWIN HYNSON, of Delaware, A.B. University of Delaware 1928; M.D. University of Pennsylvania 1932.
- MAX CHARLES IGLOE, of Michigan, S.B. University of Illinois 1924; M.D. 1927.
- RUTHERFORD ORVIS INGHAM, of Alabama, S.B. Emmanuel Missionary College 1929; M.D. College of Medical Evangelists 1932.
- PORFIRIO IRAZÁBAL, of Venezuela, M.D. Central University of Venezuela 1935.
- SEGUNDINO GALLARDO JAO, of the Philippine Islands, A.A. University of the Philippines 1929; M.D. 1934; C.P.H. 1935; S.B. 1938.
- S. LLOYD JOHNSON, of Maryland, A.B. Goshen College 1914; M.D. Johns Hopkins University 1918; LL.B. University of Maryland 1932.
- EDWARD VALENTINE JONES, JR., of Virginia, S.B. University of Virginia 1931; M.D. 1935.
- PAUL ALOYSIUS KEENEY, of Pennsylvania, S.B. University of Pittsburgh 1930; M.D. 1931.
- FRED CARL KLUTH, of Ohio, A.B. Western Reserve University 1934; M.D. 1938.
- ALEXANDER DUNCAN LANGMUIR, of New York, A.B. Harvard University 1931; M.D. Cornell University 1935.
- JOHN ADEN LEWIS, JR., of Louisiana, S.B. Tulane University 1933; M.D. 1935.
- KEH-HUNG LI, of China, S.B. University of Shanghai 1925; M.D. University of Chicago 1931.
- JOSEPH THOMAS MARSHALL, of Tennessee, S.B. Furman University 1926; M.D. Medical College of the State of South Carolina 1932.
- PEDRO DANIEL MARTÍNEZ, of Mexico, M.D. National University of Mexico 1929.
- RAYMOND WRIGHT MAURER, of Michigan, M.D. Wayne University 1925.
- GLEN WEBSTER McDONALD, of Oklahoma, M.D. University of Oklahoma 1934.
- ROY HENDRIX McDOWELL, of North Carolina, A.B. Wake Forest College 1923; M.D. University of Maryland 1929.
- THISTLE M. MCKEE, of New York, S.B. Connecticut College 1927; M.D. Cornell University 1934.
- ALLAN REID MORTON, of Canada, M.D., C.M. Dalhousie University 1925.
- ENRIQUE PADILLA, of Guatemala, A.B. National Institute of Guatemala 1922; M.D. University of Guatemala 1928.
- HAMLET CLAUDIO PULLEY, of Utah, S.B. Utah State Agricultural College 1925; S.M. 1929; M.D. St. Louis University 1937.
- WILLIAM DRUMMOND RADCLIFFE, JR., of New Mexico, A.B. University of Arizona 1928; M.D. University of Southern California 1934.
- RAFAEL RÍSQUEZ-IRIBARREN, of Venezuela, Ph.B., Central University of Venezuela 1929; M.D. 1935.
- WAYNE WALDO CONWAY SIMS, of Washington, M.D. University of Colorado 1929.
- KENNETH MALCOLM SODERSTROM, of Washington, M.D. University of Nebraska 1931.
- EMIL ALFRED STEINER, of Kentucky, S.B. University of Cincinnati 1931; M.B. 1932; M.D. 1933.
- HENRY G. STEINMETZ, of Indiana, M.D. Indiana University 1927.
- PAUL HUSTON STEVENSON, of Missouri, S.B. Hiram College 1913; M.D. Washington University 1916; A.M. Western Reserve University 1923.
- JAMES MARION SUTER, of Virginia, A.B. George Washington University 1930; M.D. 1934.
- HERBERT LOUIS TRAENKLE, of New York, M.D. University of Buffalo 1932; S.M. 1938.
- MYRON GRIFFIN TULL, of Maryland, A.B. Johns Hopkins University 1913; M.D. Hahnemann Medical College 1920.
- JESÚS VILLALPANDO-LÓPEZ, of Mexico, Bach., College State Guanajuato 1923; M.D. Army Medical School of Mexico 1929.
- VICTOR HUGH VOGEL, of Colorado, M.D. University of Colorado 1929.
- LAWRENCE H. WAGERS, of Kentucky, S.B. Eastern Kentucky State Teachers College 1928; M.D. University of Tennessee 1933.
- LUTHER PATTERSON WALTER, JR., of Texas, A.B. Simmons University 1930; M.D. Tulane University 1934.
- THOMAS GREYDON WARD, of Louisiana, M.D. Baylor University 1935.
- WILLIAM HORACE FRANKLIN WARTHEN, of Maryland, A.B. Johns Hopkins University 1919; M.D. 1922.
- WILLIAM LANEY WHITEHURST, of Alabama, S.B. University of Alabama 1932; M.D. University of Tennessee 1934.
- HAROLD WOOD, of Texas, S.B. University of Oklahoma 1928; M.D. 1930.
- ROBERT DEAN WRIGHT, of Wisconsin, A.B. University of Wisconsin 1933; A.M. 1933; M.D. Washington University 1935.

DOCTORS OF PUBLIC HEALTH

WITH TITLES OF THESES

- THOMAS JERRELL CARTER, of Kansas, A.B. University of Kansas 1924; M.D. Jefferson Medical College 1927; M.P.H. Johns Hopkins University 1939. Biostatistics.
Injury statistics—enlisted personnel, United States Navy, 1935-1936.
- WESLEY CINTRA COX, of New York, A.B. Columbia College 1913; M.D. College of Physicians and Surgeons 1916. Bacteriology.
The resistance of freshly isolated and laboratory strains of *Eberthella typhi* and the *coli-aerogenes* group to chlorination by calcium hypochlorite and chloramine.
- DORLAND JONES DAVIS, of Illinois, S.B. University of Illinois 1933; M.D. Johns Hopkins University 1937. Epidemiology.
A study of the prevalence of bacillary dysentery in Baltimore, Maryland.
- DONALD GUTHRIE EVANS, of Washington, S.B. University of Iowa 1926; M.D. 1929; M.P.H. Johns Hopkins University 1939. Public Health Administration.
A program of the medical care of the needy. Some consideration of the problems, organization and administration of such a program, and of the responsibility of the health department in the program.
- TASWELL PAUL HANEY, of Mississippi, S.B. Mississippi State College 1920; M.D. University of Virginia 1926; M.P.H. Johns Hopkins University 1939. Public Health Administration. 1931 *ob. 83*
Maternity hygiene as an activity of county health departments in southern United States.
- JOHN WILLIAM KNUTSON, of Minnesota, D.D.S. University of Minnesota 1931; M.P.H. Johns Hopkins University 1939. Biostatistics.
Evaluating dental programs.
- ALBERT McCOWN, of Virginia, A.B. Washington and Lee University 1910; M.D. Johns Hopkins University 1918; C.P.H. 1938. Public Health Administration.
The influence of the age of mothers on the mortality of infants.
- JOHN M. WHEELIS, JR., of California, A.B. Stanford University 1928; M.D. 1932; M.P.H. Johns Hopkins University 1939. Biostatistics.
Communicable diseases in the United States Navy, 1935 and 1936—Incidence by length of service.

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DOCTORS OF MEDICINE

- SAMUEL PHILLIPS ASPER, JR., of Texas, A.B. Baylor University 1936.
- THOMAS SHEFFIELD BENNETT, of North Carolina, A.B. University of North Carolina 1936.
- HELEN BOWIE, of Maryland, A.B. Bryn Mawr College 1934.
- JONAS HAROLD COHEN, of Maryland, A.B. Johns Hopkins University 1936.
- MAYNARD IRVING COHEN, of Pennsylvania, A.B. Harvard College 1936.
- ROBERT ERVIN COKER, JR., of North Carolina, A.B. University of North Carolina 1932.
- GEORGE HARDIN CURFMAN, JR., of Colorado, S.B. Virginia Military Institute 1936.
- ROBERT JAY DAVIS, of New York, A.B. Princeton University 1936.
- ROLANDO DE LA GUARDIA, JR., of Panama, A.B. Johns Hopkins University 1936.
- JAMES ALLEN FITZHUGH DELEVETT, of Maryland, A.B. Johns Hopkins University 1936.
- RICHARD NIXON DUFFY, JR., of North Carolina, A.B. University of North Carolina 1936.
- HAROLD EUGENE EISELE, of Texas, A.B. University of Texas 1936.
- EDMUND NOYES ERVIN, of Maine, S.B. Colby College 1936.
- EDWIN CURTIS EVANS, of Georgia, S.B. University of Georgia 1936.
- CUTTING BROAD FAVOUR, of the District of Columbia, A.B. Hendrix College 1936.
- CHARLES FERRIS, of Pennsylvania, A.B. Allegheny College 1936.
- MINOT PACKER FRYER, of Connecticut, A.B. Brown University 1936.
- SAIYUDE GENGRADOMYING, of Thailand, A.B. Goucher College 1936.
- MARGARET LOUISE GOETSCH, of Illinois, S.B. University of Chicago 1936.
- ROBERT ARCHER GOODWIN, JR., of Virginia, S.B. University of Virginia 1936.
- WILBERT ZALMAN GORDON, of Ohio, A.B. Ohio State University 1936.
- BENJAMIN GILBERT GREEN, of Michigan, A.B. Kalamazoo College 1936.
- HARVEY ALLAN HATCH, of Idaho, A.B. University of Utah 1936.
- CLARENCE DOUGLAS HAWKES, of Rhode Island, A.B. Brown University 1936.
- GEORGE MAXWELL BLACKSTOCK HAWLEY, II, of Texas, S.B. Washington and Lee University 1936.
- EARL WILSON HENRY, of New York, A.B. Union College 1936.
- REUBEN PAUL HIGGINS, JR., of New York, A.B. Williams College 1936.

- ELIHU SANFORD HOWLAND, of the District of Columbia, A.B. Yale College 1936.
- JOAN HUMPHREY-LONG, of Pennsylvania, A.B. Wilson College 1936.
- CHARLES EDWIN LIFF, JR., of Ohio, A.B. Williams College 1932.
- GORDON WILLIS JONES, of Virginia, A.B. Indiana University 1936.
- VERNON CHARLES KELLY, of Maryland, A.B. Johns Hopkins University 1936.
- ARTHUR KLEIN, of New Jersey, A.B. Amherst College 1936.
- ROBERT ELY LA RUE, of Illinois, A.B. Wabash College 1936.
- MARTHA FRANCES LEONARD, of New Jersey, S.B. New Jersey College for Women 1936.
- RAYMOND KALEVI JOHN LUOMANEN, of Ohio, S.B. Kenyon College 1936.
- JOHN LYFORD, III, of Ohio, A.B. Yale College 1934.
- COLLIN STEWART MACCARTY, of Minnesota, A.B. Dartmouth College 1937.
- BERNARD I. MAISEL, of New York, A.B. Johns Hopkins University 1936.
- JOHN TAGGART MCBURNEY, of Maryland, A.B. Marietta College 1936.
- SAMUEL STOCKTON MILES, of Maryland, A.B. Princeton University 1936.
- SIDNEY MILLER, of New Jersey, A. B. Johns Hopkins University 1935.
- CHARLES LE MEAR MOUNT, JR., of Oklahoma, S.B. Oklahoma University 1935.
- HOPE LOWRY MOUNT, of Massachusetts, A.B. Radcliffe College 1936.
- JEAN MURRAY, of New Jersey, A.B. Wheaton College 1936.
- JOHN ALLISON NESBITT, JR., of Maryland, A.B. Princeton University 1936.
- JAMES JOSEPH NICKSON, of Washington, S.B. University of Washington 1936.
- SAMUEL WATSON PAGE, JR., of South Carolina, S.B. Clemson Agricultural and Mechanical College 1935.
- CHARLOTTE EVELYN PARKER, of North Carolina, A.B. Duke University 1936.
- CECIL MCINTOSH PEEK, of Florida, A.B. Duke University 1936.
- MANUEL PRECIADO, of Panama, A.B. Johns Hopkins University 1936.
- WILLIAM CARTER QUINBY, JR., of Massachusetts, A.B. Harvard College 1936.
- LOUIS REULING, of Maryland, A.B. Johns Hopkins University 1935.
- HUGO VICTOR RIZZOLI, of New Jersey, A.B. Johns Hopkins University 1936.
- JOHN BRUCE ROSS, of Maryland, S.B. Georgetown University 1936.
- MILTON SAMUEL ROSS, of New York, S.B. University of Virginia 1936.
- LEROY COLTER RULE, of Ohio, S.B. University of Cincinnati 1938.
- HENRY DOELLER SEVERN, of the District of Columbia, A.B. Johns Hopkins University 1936.
- IRVING JERROLD SHERMAN, of New Jersey, A.B. Johns Hopkins University 1936.
- LOUIS COTTEN SKINNER, JR., of North Carolina, A.B. University of North Carolina 1936.
- HERBERT ELIAS SLOAN, JR., of West Virginia, A.B. Washington and Lee University 1936.
- HERBERT WILHELM STEIN, of Massachusetts, L. ès S., University of Paris 1937.
- NICHOLAS ARCHIBALD TIERNEY, of Florida, A.B. St. Francis Xavier University 1931; M.S. Catholic University 1934, and Ph.D. 1935.
- PHILIP ANTHONY TUMULTY, of the District of Columbia, A.B. Georgetown University 1935.
- CLARENCE JOHN WEIMER, of New York, A.B. Johns Hopkins University 1936.
- HOWARD ARNOLD WEINBERGER, of New Jersey, A.B. Johns Hopkins University 1936.
- JAMES SIMPSON WHEDBEE, JR., of Maryland, A.B. Princeton University 1933.
- JACK WRIGHT, of Arkansas, A.B. University of Illinois 1936.

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MASTERS OF ARTS

WITH TITLES OF ESSAYS

- FIFI-DOLORES COLIMORE, of Maryland, A.B. Goucher College 1927. Romance Languages.
Machiavelli's *Mandragola* (Date, title, sources and early performances).
- JOHN HALDANE CRAWFORD, O.S.A., of Pennsylvania, A.B. Villanova College 1921; A.M. The Catholic University of America 1924. Physics.
A survey of ultrasonic interferometry.
- BEATRICE KUSLOVITZ, of Maryland. Romance Languages.
The child in French drama from Alexandre Hardy to the Revolution, 1600-1789.
- ROLF LADISCH, of Germany. Chemistry.
Study of beryllium chromite.
- FRANCIS NICHOLAS MARZULLI, of New Jersey, B.S. St. Peter's College 1937. Zoology.
The role of hydrogen concentration in induced anuran metamorphosis.
- MARGARET TENNENT MAST, of Maryland. Political Economy.
Geographical differences in union printers' wages, 1865-1935.

MONELISA PEREZ-MARCHAND, of Puerto Rico, A.B. University of Puerto Rico 1938. Philosophy.

A critical study of some currents of contemporary philosophical thought in Latin America.

DOROTHY LEE VAN DUZER, of Pennsylvania, A.B. Westhampton College 1931. History.

The French through the eyes of American and English travelers.

HELEN VIRGINIA SANDERLIN, of the District of Columbia, A.B. American University 1937. English.

The reputation of Alexander Pope in the English periodicals, 1744-1850.

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DOCTORS OF PHILOSOPHY

WITH TITLES OF DISSERTATIONS

FRANK P. ALBRIGHT, of Minnesota, A.B. Wittenberg College 1933, M.A. Johns Hopkins University 1936. Archaeology.

Funeral customs of the Greeks.

WILLIAM WALDRON BEEMAN, of Michigan, B.S. University of Michigan 1937. Physics.

The X-ray K absorption edges and $K_{2,5}$ emission lines of some copper nickel alloys.

WALTER HENRY BELDA, of Wisconsin, B.A. St. Francis Seminary 1924; M.A. 1927; S.T.B. The Catholic University of America 1927. Zoology.

Permeability of *Pelomyxa carolinensis* to water.

JOHN BRIGHT, of Maryland, A.B. Presbyterian College of South Carolina 1928; B.D. Union Theological Seminary 1931; Th.M. 1933. Oriental Seminary.

The age of King David. A study in the institutional history of Israel.

JOHN GERARD BROUGHTON, of New York, A.B. University of Rochester 1936; M.S. 1938. Geology.

Comparison of Pre-Cambrian and Paleozoic structures in northwestern New Jersey.

ROLF BUCHDAHL, of Maryland. Physics.

Negative ion formation in iodine vapor by electron impact.

MARGARETTA PRINGLE CHILDS, of New York, A.B. Wellesley College 1932. History.

Sir Peter Carew of Mohun's Ottery.

CHARLES LOUIS CHRIST, of Maryland. Chemistry.

X-ray crystallographic studies upon etioporphyrin-1.

W. HOYT COOK, of South Carolina, A.B. University of South Carolina 1913; A.M. 1914. Archaeology.

Boxing in Greek art and literature.

FRANKLIN DELANY COOLEY, of Maryland, A.B. Johns Hopkins University 1927; M.A. University of Maryland 1933. English.

Criticism of *Beowulf* before 1855.

JOHN RICHARD CRAFT, of France, M.A. Johns Hopkins University 1939. Archaeology.

The civic water supply of ancient Greece.

CHARLES ALEXANDER DUNNING, of Maryland, A.B. Johns Hopkins University 1937. Chemistry.

Studies in the epimerization of d-arabinose.

JACKSON POLLARD ENGLISH, of Virginia, B.S. in Chem. Virginia Military Institute 1935. Chemistry.

A study of several proposed methods for the synthesis of ergothioneine.

THOMAS A. FITZGERALD, of Maryland, A.B. University of Missouri 1913; M.A. University of Illinois 1921. Romance Languages.

National feeling in the narrative poems of the Duque de Rivas.

HERBERT FRIEDMAN, of New York, A.B. Brooklyn College 1936. Physics.

The X-ray K absorption edges of the elements Fe (26) to Ge (32).

LAUREN CUNDIFF GILMAN, of Kansas, A.B. Baker University 1936. Zoology.

Mating types in diverse races of *Paramecium caudatum*.

ALEXANDER DAVID GOODE, of Pennsylvania, A.B. University of Cincinnati 1934. Oriental Seminary.

The Jewish Exilarchate during the Arabic period in Mesopotamia from 637 A. D. to 1258 A. D.

CARL M. HERGET, of Maryland, B.S. in Chem. Johns Hopkins University 1935. Physics.

Ultrasonic velocity and absorption in carbon dioxide and ethylene in the critical region.

JOSEPH WESTON HICKMAN, of West Virginia, A.B. Bethany College 1934. Chemistry.

The crystal structure of sulfamic acid.

WILLIAM DANA HOYT, JR., of Virginia, B.A. Washington and Lee University 1932; M.A. 1932. History.

Colonel William Fleming on the Virginia frontier, 1755-1783.

CALVIN DARLINGTON LINTON, of the District of Columbia, A.B. George Washington University 1935; M.A. Johns Hopkins University 1939. English.

Shakespearean staging in London from Irving to Gielgud.

JOHN A. LOFTUS, of Maryland, A.B. The Catholic University of America 1936. Political Economy.

Investment management: an analysis of American management investment trust experiences.

ARCHIE IRVIN MAHAN, of Kansas, A.B. Friends University 1931. Physics.

The dispersion and absorption of a series of related liquids in the infra-red region of the spectrum.

- MILTON MICHAEL MARISIC, of Maryland, A.B. Johns Hopkins University 1935. Chemistry.
Heteropoly-acids as catalysts for the vapor phase partial oxidation of naphthalene.
- HELENE MAXWELL, of California, A.B. Santa Barbara State College 1930; M.A. Stanford University 1931. English.
The poetry of Charles Montagu, Lord Halifax (1661-1715).
- JOHN BRODIE McDIARMID, of Canada, A.B. Victoria College, University of Toronto 1936. Greek.
Theophrastus and the Presocratics. A study in Theophrastus' use of Aristotle.
- WILLIAM A. McDONALD, of Canada, A.B. Victoria College 1935; A.M. University of Toronto 1936. Archaeology.
The political meeting places of the Greeks.
- CHARLES EDWARD MESSER, of Maryland, A.B. Johns Hopkins University 1936. Chemistry.
The heat capacities of sodium and potassium cyanides.
- HARRY TOWNSEND MUHLY, of Maryland. Mathematics.
Valuations and infinitely near algebraic loci.
- JOHN HAMMOND MUNIER, of New York, A.B. University of California (Los Angeles) 1934. Physics.
The K absorption edges of Mg and Al and the principal M-series emission lines of W.
- THEODORE NORRIS, of Maryland, B.S. in Educ., University of New Mexico 1937. Botany.
The anatomy and nectary characteristics as phylogenetic criteria in the Rhoeadales.
- BELLE OTTO, of Maryland, A.B. Barnard College 1926; M.A. Mt. Holyoke College 1928. Chemistry.
A study of catalysts for the quantitative combustion of organic substances containing nitrogen.
- MERLE IRVING PROTZMAN, of Virginia, A.B. Dickinson College 1918; M.A. 1919. Romance Languages.
Les Illustres Fous of Charles Beys. A critical edition with a brief account of the author and his works.
- JAY BENSON SAKS, of Maryland, A.B. Johns Hopkins University 1935. Political Science.
Mr. Justice Sutherland. A study in the nature of the judicial process.
- WALTER SCHLESINGER, of the District of Columbia, A.B. Johns Hopkins University 1935. Chemistry.
The synthesis of a chlorin and its structure.
- HERMANN OTTO SCHMIDT, of Maryland, A.B. Johns Hopkins University 1926. Education.
The effects of praise and blame as incentives to learning.
- JEROME WILLIAM SCHWEITZER, of Alabama, A.B. University of Alabama 1930; A.M. 1932. Romance Languages.
Georges de Scudéry's *Almahide*: authorship, analysis, sources and structure.
- ROBERT GORDON SHEPHERD, of Maryland. Chemistry.
Studies upon acyl diketopiperazines.
- MAURICE JOSEPH SHORE, of Maryland, A.B. University of British Columbia 1929. Education.
The Marxian theory of education.
- GEORGE SEIDEL SHORTESS, of Pennsylvania, A.B. Johns Hopkins University 1922; M.A. Columbia University 1931. Zoology.
The relation between temperature, light and locomotion in *Peranema trichophorum* and its responses to rapid changes in temperature.
- THOMA MEES VAN'T HOFF SNYDER, of Maryland. Physics.
The L X-ray transitions involving the valence bands of tungsten, tungsten oxide and platinum.
- SAMUEL JOSEPH SPROL, JR., of Maryland, A.B. Johns Hopkins University 1935. Education.
The influence of school size on academic achievement.
- EGBERT HAMILTON WALKER, of Maryland, A.B. University of Michigan 1922; M.Sc. University of Wisconsin 1928. Botany.
A revision of the Eastern Asiatic Myrsinaceae.
- HUGO DAVID WEISGALL, of Maryland. German.
Primitivism and related ideas in seventeenth century German lyric poetry.
- BENJAMIN WITTEN, of Maryland. Chemistry.
The diphenylcarbalkoxymethyl radical.

